

target specific analytes; this selectivity can be accomplished by alteration of the sol-gel chemistry and processing techniques used to make the aerogels and xerogels. The present SPME device is robust and formed of materials that are commercially available, inexpensive, and stable under high field radiation and high thermal stress. The aerogel SPME device can easily tolerate the thermal cycling conditions in GC/MS without peeling or releasing interfering compounds.

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